1st and final Bill

# Original/Duplicate/Triplicate
# CONTRACT CERTIFICATE
(For Other Works)

No..... Date..... 2018.

Division: BBMP / YNK Sub-Division: Yelahanka Sub – Division.

YNK-DBR No. 201 Dated Date 11.02.2021

AEE/YNK SUB. DN Dated 59/20-21 28/1/202(

Bill Received No Divisional Cash Book Voucher No. Sub Divisional Work Code: 001-18-000013

Schedule Docket No. Head of Account: Est Cost: 50.00 Lakhs B.R.No. :

Name of Work: Drilling of borewells and Providing pipe line in ward 1 of yelahanka Sub division. P-1802

Name of Contractor and Full Address: **Sri. Rajanna N, No 54/1, Venkatala, Yelahanka Bangalore - 560064**

Reference to Agreement No. EE/YNK.D/ **EPMT-15/W.O/ 0000136 /2017-18.** Date: 27-03-2018

Certified that the measurements were taken by me on 25-06-2020 and recorded of Pages 492644 to 492652 of measurement Book No. 4927 and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 25/06/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being .....percent Rs.....
3) " Balance
4) Deduct Payment
   a) Amount of previous payment as in the Office Cash Book Voucher No .....Dated.....S.D. No.....
   adjusted towards cash advance recovery of
   b) Payments Now made } cost store or other material supplied / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
7) Net amount due to or from Contractor unadjustments items.
8) Advance to Contractor for materials brought to site (as detailed) within
9) Value of Government materials supplied.

Assistant Engineer Yelahanka Sub. Division (BBMP Ynk. Zn) Yelahanka, Bangalore

| | |
|---|---|
| Gross Amt =Rs | 2159116/- |
| | Amount |
| FSD =Rs | — |
| CGST = Rs | 21591/- |
| SGST = Rs | 21591/- |
| IT = Rs | 21591/- |
| LC = Rs | 21591/- |
| CBF = Rs | 2159/- |
| = Rs | 14082/- |
| Penalty - | 165600/- |
| Total amount adjusted | 268205/- |
| Net Amt=Rs | 1890911/- |

Contractor's Signature

Received Rs ..... (in words).....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) 2159116/- (For use in the Office)

Witness
1.
2

Signature of Contractor

Dated

Paid by me by Cheque No .....Dated .....

Cash Rs .....

Dated .....

Initials of Officer making payment

Amount 1890911/-

and Rs 268205/- by Cheque

Acct. Supdt. yelahanka Division BBMP

Executive Engineer

Exe. Engineer yelahanka Division BBMP

| no | Description of work | Unit | Qty |
|---|---|---|---|
| 1 | Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P W S S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Water in the vicinity, its qualityf 1 0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging techinical personal and labour required etc, as per Specification and direction (P 48, I 9 4) PRED SR 2012-13 | | |
| 2 | Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc, complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc ) P 46 / I 9 1 PRED SR 2012-13 | | |
| a | 0 to 50 m | Rm | – |
| b | 50 to 100 m | | – |
| c | 100 to 150 m | | – |
| d | 150 to 200 m | | – |
| e | 200 to 250 m | | – |
| f | 250 to 300 m | | – |
| | 300 to 330 | | – |
| 3 | Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5 4mm thick confirming to IS 4270 2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixed with socket confirming to IS 4270 2001 and the other end with screwed pipes ISI Marking weighing 25 10Kg/mtr (Inclusive of all taxes and duties) Prices include Collar-medium duty (PRED Bangalore Circle SR 2012-13 P III, I No 84 | Rm | – |
| 4 | Providing 200mm dia PVC pipe 10kg/cm2 (PRED Bangalore Circle SR 2012-13 P 15 It 3 43) | Rm | – |
| 5 | Providing and fixing 175mm Borewell Cap (PRED Bangalore Circle SR 2012-13 P No III, I No 85) | Eac | – |
| 6 | Providing and fixing 175mm dia MS collar (PRED Bangalore Circle SR 2012-13 P No III, I No 86) | Eac | – |
| 7 | Supply and delivery of submersible pump sets suitable for borewell of 165 mm dia with specified dyty conditions as detailed below and satisfying performance characteristics for pump and moter specified in BIS with ISI mark with a minimum efficiency of 42% pump shall confirm to IS 8034/2002 and motor conforming to IS 9283/1995 with ISI certification with latest amendments for the following 15HP/75KW ATALANTA/SUGUNA/CRI/KIRLOSKAR /OTHER EQUIVALENT PUMPS (page no XXXXII / Sl No 33, Code No 2)2016-17 | No | – |
| 8 | Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50 mm dia nominal bore with all fittings ( earth work in trehches to be measured and paid for separately ) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications (SR of PWP, & IWTD SR 2016-17, P No 90, I No 13 15) | Rm | – |
| 9 | Heavy Duty Collar 50 mm dia | No | – |
| 10 | Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694 1990 & confirming to GTP of GROUP-A P No 12 / I No 2 10 4(1) 3C x 6 Sqm mm KPWD Electrical SR 2014-15 | Mtr | – |
| 11 | Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6 00) Page No 558, Items No-3 BWSSB SR for 2014-15 ) | Per leng | – |
| 12 | Supplying and fixing 20"x20"x2 5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc , P No 44 / I No 6 6 6 KPWD Electrical SR 2014-15 | Eac | – |
| 13 | Supplying of 1 1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq mm wire armoured) confirming to IS-3975 1990 (No of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1 1988 & confirming to GTP of GROUP-A P No 55/ I No 7 4 4 4 core 16 Sqmm KPWD Electrical SR 2014-15 | Mtr | – |
| 14 | Labour charges for laying of 1 1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required in existing trench/duct P No 61 / I No 7 8 1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15 | Mtr | – |
| 15 | Digging of trench of 0 6m deep x 0 50 mtr wide refilling the trench to the required ground level and consolidating etc complete (As per Civil SR KSRB I-2, P-7) P No 61 / I No 7 9 3 KPWD Electrical SR 2014-15 | Mtr | – |
| 16 | Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3 25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1 1 KV P No 62 / I No 7 12 1 KPWD Electrical SR 2014-15 | Mtr | – |
| 17 | Supplying and fixing L T cast Iron pot heads suitable for 1 1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc | No | – |

| | Unit | Previous | | Present Measurement | | | Total up-to date | | Rem. |
|---|---|---|---|---|---|---|---|---|---|
| | | Qty | cost | Qty | Rate | Cost | Qty | cost | |
| electrical und Wate sed to be nd labour | Each | – | – | 3 | 1938 46 | 5815 38 | 3 00 | 5815 38 | |
| s fixing of d cost of llars cap | Rmt | | | | | | | | |
| | | – | – | 150 00 | 415 18 | 62277 00 | 150 00 | 62277 00 | |
| | | – | – | 150 00 | 612 00 | 91800 00 | 150 00 | 91800 00 | |
| | | – | – | 150 00 | 658 35 | 98752 50 | 150 00 | 98752 50 | |
| | | – | – | 150 00 | 484 10 | 72615 00 | 150 00 | 72615 00 | |
| | | – | – | 150 00 | 560 32 | 84048 00 | 150 00 | 84048 00 | |
| | | – | – | 150 00 | 600 49 | 90073 50 | 150 00 | 90073 50 | |
| | | | | 85 00 | 140 66 | 11956 10 | 85 00 | 11956 10 | |
| ng to IS y baseic ied with durties) | Rmre | – | – | 195 00 | 1300 00 | 253500 00 | 195 00 | 253500 00 | |
| | Rmre | – | – | 60 00 | 1721 13 | 103267 80 | 60 00 | 103267 80 | |
| | Each | – | – | 3 | 100 00 | 300 00 | 3 00 | 300 00 | |
| | Each | – | – | 30 | 150 00 | 4500 00 | 30 00 | 4500 00 | |
| detailed iency of nents for SI No 33 | No | – | – | 3 | 73000 00 41448 | 219000 00 124344/- | 3 00 | 219000 00 124344/- | |
| s ( earth uipments | Rmt | – | – | 960 00 | 450 00 | 432000 00 | 960 00 | 432000 00 | |
| | No | – | – | 156 00 | 130 00 | 20280 00 | 156 00 | 20280 00 | |
| per with ion and GTP of | Mtr | – | – | 2010 00 | 188 00 | 377880 00 | 2010 00 | 377880 00 | |
| nercible artment | Per length | – | – | 159 00 | 88 00 | 13992 00 | 159 00 | 13992 00 | |
| s made / I No | Each | – | – | 3 00 | 300 00 | 900 00 | 3 00 | 900 00 | |
| eel strip C outer core 16 | Mtr | – | – | 150 00 | 140 00 | 21000 00 | 150 00 | 21000 00 | |
| uired In | Mtr | – | – | 150 00 | 10 00 | 1500 00 | 150 00 | 1500 00 | |
| g etc | Mtr | – | – | 75 00 | 85 00 | 6375 00 | 75 00 | 6375 00 | |
| ng with | Mtr | – | – | 12 00 | 340 00 | 4080 00 | 12 00 | 4080 00 | |
| mplete | No | – | – | 3 00 | 280 00 | 840 00 | 3 00 | 840 00 | |

| Sl no | Description of work | Unit |
|---|---|---|
| 18 | Supplying, fixing, wiring, earth electrode for grounding conduits, I C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit. The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia. (P No. 55, I No. 7.1) KPWD Electrical SR 2014-15 | No |
| 19 | Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.P No. 44 / I No. 6.7.2 KPWD Electrical SR 2014-15 | No |
| 20 | KSRB 13-7.1-4 Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13 Page No. 93 Item No. 13.55 / PWD SR 2016-17 | No |
| 21 | Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete 50 mm dia | No |
| 22 | Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete | No |
| 23 | Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery. Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications | No |
| 24 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 5-32Amps TPN P No. 47 / I No.6.16.5 KPWD SR 2014-15 | No |
| 25 | Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete box of 21600sqcm @ Rs0.33 SWG P.No. 49, I. No. 6.40.2 KPWD Electrical SR 2014-15 | Sq Cm |
| 26 | Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. 12.5HP to 15 HP Star Delta Starter SERDED Rate | No |
| 27 | Cutting of road surface for pipeline trenches and disposing the excavated stuff as directed including barricadding, danger lighting etc. in the Asphalt Surface Road (P.N. 257, I.N. 37.38) | Cum |
| 28 | KSRB 2-2.1 Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications. specification, No. KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3 ) | Cum |
| 29 | Providing and fixing to wall ceiling and floor, medium density polythylene pipes 6.00 Kgs/sqcm working pressure 75mm outside diameter with special flange compression type fittings wall clips making good the wall ceiling and floor including cost all materials labour charges HOM of equipments and testing complete as per specification s | Rmtr |
| 30 | KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158 I.No.20.18) | Cum |
| 31 | Refilling available earth around pipelines, cables in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering lead upto 50m and lift upto 1.5m including cost of labour complete as per specification (P.No.6 I.No.2.11) | Cum |
| 32 | KSRB 13.6.3.6 Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 P. 92 / I.13.37 PWD SR 2016-17 | Each |
| 33 | | |

## Certificates

1. The above work is done satisfactorily and complete in all respect
2. There is no department Material issue for the above work
3. This works comes under BBMP Limit

| | Unit | Previous | | Present Measurement | | | Total up-to date | | Rem |
|---|---|---|---|---|---|---|---|---|---|
| | | Qty | cost | Qty | Rate | Cost | Qty | cost | |
| 2 90mm pipe to 3 of IS KPWD | No | – | – | 3 00 | 2700 00 | 8100 00 | 3 00 | 8100 00 | |
| / I No | No | – | – | 6 00 | 180 00 | 1080 00 | 6 00 | 1080 00 | |
| g cost m No | Nos | – | – | 3 00 | 1580 00 | 4740 00 | 3 00 | 4740 00 | |
| st of | No | – | – | 3 00 | 220 00 | 660 00 | 3 00 | 660 00 | |
| plete | No | – | – | 12 00 | 80 00 | 960 00 | 12 00 | 960 00 | |
| ating etc | No | – | – | 3 00 | 350 00 | 1050 00 | 3 00 | 1050 00 | |
| ype ing | No | – | – | 3 00 | 1500 00 | 4500 00 | 3 00 | 4500 00 | |
| eat ble etal | Sq Cm | – | – | 64800 00 | 0 33 | 21384 00 | 64800 00 | 21384 00 | |
| r - wo ld nit ar | No | – | – | 3 00 | 11000 00 | 33000 00 | 3 00 | 33000 00 | |
| er | Cum | – | – | 36 57 | 340 00 | 12433 80 | 36 57 | 12433 80 | |
| n | Cum | – | – | 109 72 | 180 00 | 19749 60 | 109 72 | 19749 60 | |
| | Rmtr | – | – | 304 80 | 320 00 | 97536 00 | 304 80 | 97536 00 | |
| | Cum | – | – | 36 57 | 1650 00 | 60340 50 | 36 57 | 60340 50 | |
| | Cum | – | – | 109 72 | 50 00 | 5486 00 | 109 72 | 5486 00 | |
| | Each | – | – | 3 00 | 2000 00 | 6000 00 | 3 00 | 6000 00 | |
| | | | | | | 2253772 | | 2253772 | |

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